

**Micronet Communications, Inc.**

720 F Avenue, Suite 100  
Plano, Texas 75074  
972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: N1825603  
Licensee: HEARST STATIONS INC.

3.70 GHz

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Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

WTAE Studio S. Site, PA

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

10/05/2018 Original PCN

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

COMSEARCH INC  
MCI COMMUNICATIONS  
MOUNTAIN STATE COMMUNICATIONS, LLC

Respectfully Submitted,



Jeremy Lewis  
Systems Engineer

Attached: 1 data sheet

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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company:	HEARST STATIONS INC.		
Site Name, State:	WTAE Studio S. Site, PA		
Call Sign:			
Latitude	(NAD83)	40 26	7.0 N
Longitude	(NAD83)	79 52	5.0 W
Elevation AMSL	(ft/m)	1117.00	340.46
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	60.00	143.00
Range of Azimuths from North	(deg)	150.88	251.81
Antenna Centerline	(ft/m)	12.47	3.80
Antenna Elevation Angles	(deg)	38.97	11.62

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Equipment Parameters	Receive
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Antenna Gain, Main Beam	(dbI)	41.50
15 DB Half Beamwidth	(deg)	2.50

Antennas            Receive: PATRIOT ANTENNA SYSTEMS PRT380AZ (3.8 M)

Max Transmitter Power	(dbW/4KHz)	
Max EIRP Main Beam	(dbW/4KHz)	
Modulation / Emission Designator	DIGITAL	36M0G7W

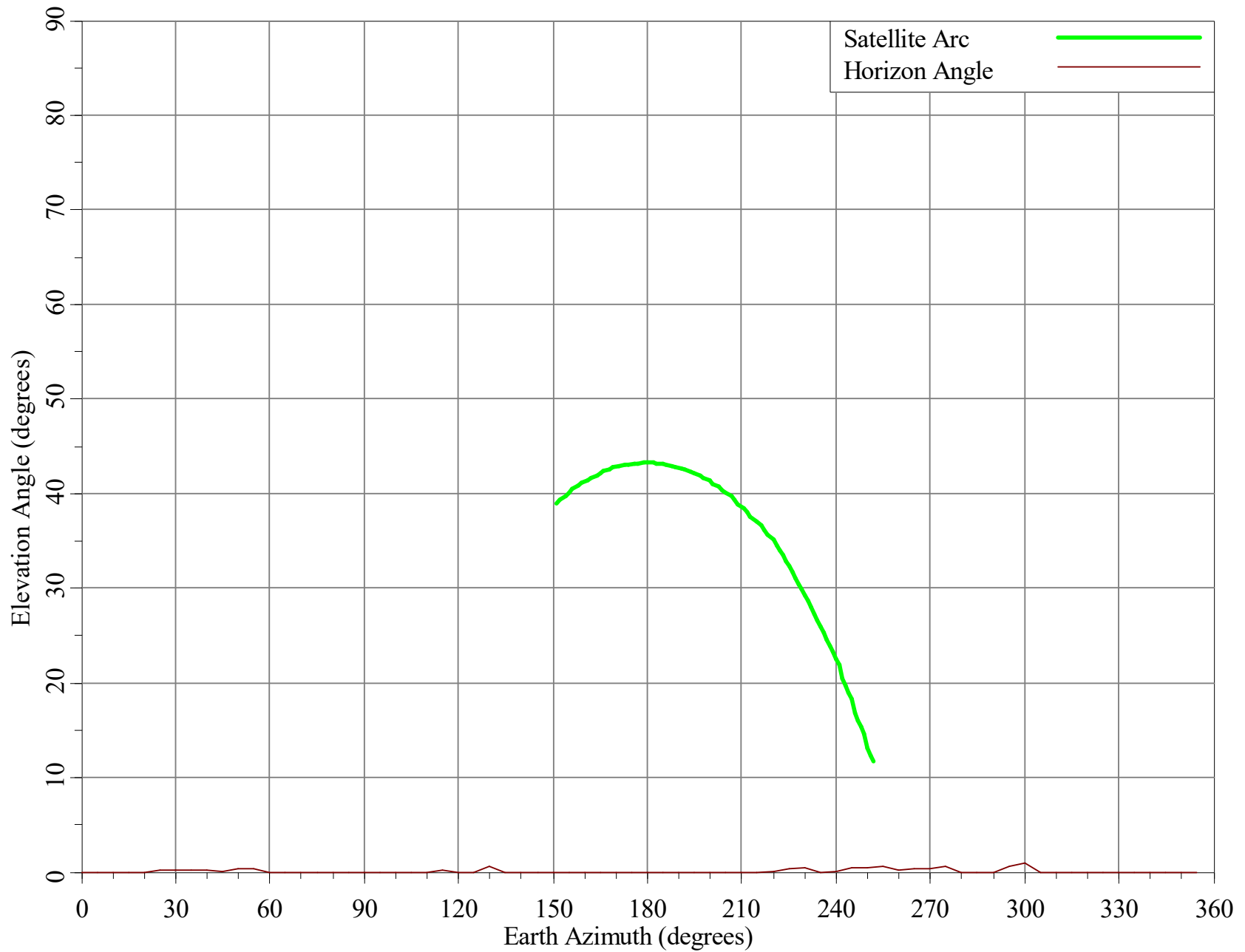
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Coordination Parameters	Receive
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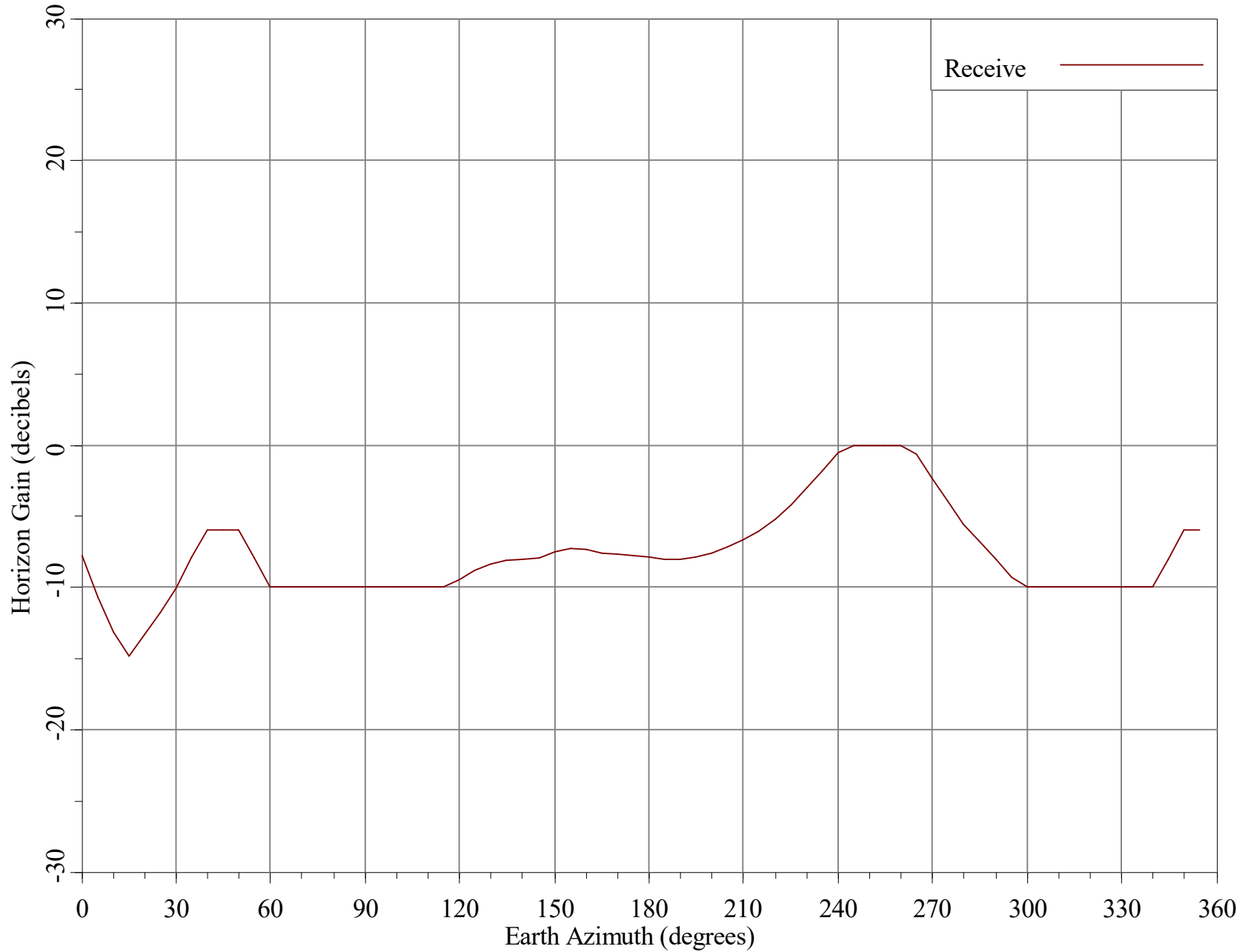
Max Greater Circle Distances	(km)	347.01	
Max Rain Scatter Distances	(km)	511.13	
Max Interference Power Long Term	(dbW)	-158.60	
Max Interference Power Short Term	(dbW)	-149.90	
Rain Zone / Radio Zone		2	A

# Horizon Angle & Satellite Arc for WTAE Studio S. Site, PA Micronet Communications, Inc.

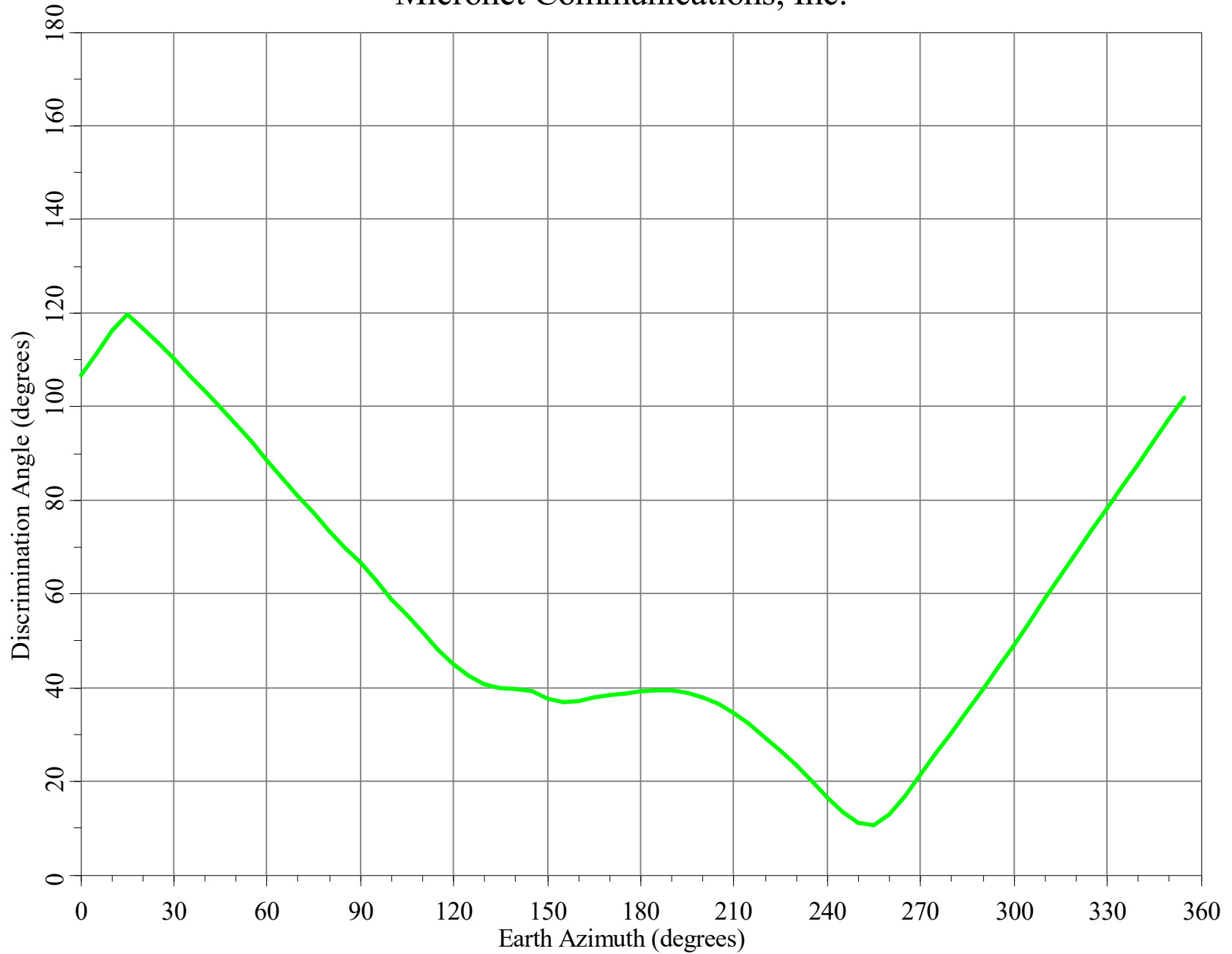


# Horizon Gain for WTAE Studio S. Site, PA

## Micronet Communications, Inc.



Minimum Discrimination Angles for WTAE Studio S. Site, PA  
Micronet Communications, Inc.



# Final Contour & Rain Scatter for WTAE Studio S. Site, PA - Receive



SCALE - 1:10000000 1 inch = 157.8 miles